

ABSTRACT OF THE DISCLOSURE

An aircraft seat assembly including at least one electronic component usable by a passenger and a single integrated electronic system which provides signal decoding, signal routing, data management, built in test, and power conversion for each user accessible electronic component which is installed in the seat assembly. The electronic components generally include at least a video display unit, an audio system, or a telephone. The integrated electronics system provides power conversion, signal routing, data management and other electronic requirements for each of the electronic components. The integrated electronics system of the present invention not only integrates power conversion and signal management responsibilities into one system, but also is integrated into the seat assembly.